IOOS CODAR Spare Parts Process

September 2015

Purpose:

To reduce spatial and temporal gaps in coverage of the IOOS National HF Radar Network, this IOOS project provides short-term replacement of damaged CODAR equipment while it is being repaired. In particular, the focus is on high priority CODAR radars whose downtime would produce a significant gap in surface currents coverage. The IOOS HF radar community is profoundly aware of the issue of an aging population of radars and this process is meant to mitigate the impact of this factor, among others. Presently, over 90% of the HF radars in the IOOS network are CODARs which allows a large portion of the IOOS HF radar community to participate in this process.

Process:

1. Troubleshooting
    a. If User contacts CODAR Support for help with troubleshooting and they collectively determine that a unit needs repair. If the User believes that the site may qualify for the spare parts program, User cc's Jack Harlan: jack.harlan@noaa.gov
    b. Standard CODAR support fee, based on existing contract the user has with CODAR, will apply
    c. Component is deemed necessary for the normal operation of the CODAR
2. Adjudication by IOOS Program Office
    a. Time to repair will require downtime of the radar that exceeds an acceptable outage
    b. The radar is determined to be of high priority for the IOOS HFR network
    c. IOOS Program Office informs User and CODAR Support of decision
3. Replacement
    a. Operator contacts CODAR Support for an RMA number (Subject Line includes: "IOOS replacement program"). CODAR issues RMA number and user ships damaged component to CODAR.
    b. CODAR will target to ship the replacement unit by the end of next business day after initial contact for RMA. If the contact happens on Friday or on/before a public holiday, then business day clock starts after the holiday. Shipping cost of shipping the unit to the end user will be covered by CODAR.
    c. CODAR repairs damaged component and ships it back to the owner/operator. The relevant owner will be charged relevant RMA fees plus shipping fees for repair/diagnosis.
    d. After installation, calibration and assessment of the repaired component, operator ships the replacement component back to CODAR. This should happen within 1 week of receiving the repaired unit, weather permitting.

Other information:

1. Process does not pay for repairs
2. Process does not provide a permanent replacement component
3. 2 x Transmit Chassis (5, 13, or 25 MHz)
4. 2 x Receive Chassis (5, 13, or 25 MHz)
5. 2 x Mac mini (pre-configured with SeaSonde radial software)
6. 1 x Dome antenna (5 MHz, mast & whip optional)

7. 1 x Dome Rx antenna (25 MHz, mast & whip optional)
8. 1 x Box Rx antenna (5 MHz, mast & whip optional)
9. 1 x Box Rx antenna (25 MHz, mast & whip optional)

Questions? Contact Jack Harlan jack.harlan@noaa.gov 240-478-9942